

TRAFFIC SPEED REPORT NO.62

DEC., 1957

NO. 33

**Joint
Highway
Research
Project**

**PURDUE UNIVERSITY
LAFAYETTE INDIANA**

by

C. Pinnell

PROGRESS REPORT
TRAFFIC SPEED REPORT NO. 62

TO: K. B. Woods, Director
Joint Highway Research Project December 18, 1957

FROM: H. L. Michael, Assistant Director File: 8-3-3
Project C-36-10C

The attached Traffic Speed Report No. 62 has been prepared by Mr. Charles Pinnell, graduate assistant on our staff. Mr. Suwanto Hardjodipuro assisted in the collection of the data.

This progress report is the 1957 summer, semi-annual speed study. The speeds were obtained at the same locations as in previous years and add to the nineteen years of speed data that the Project has collected.

Copies of this report will be distributed as usual to the State Police and to the Office of Traffic Safety. The report is submitted for the record.

Respectfully submitted,

Harold L. Michael
Harold L. Michael, Assistant Director
Joint Highway Research Project

HLM:hgb

Att.

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PROGRESS REPORT
TRAFFIC SPEED REPORT NO. 62

by

Charles Pinnell
Graduate Assistant

Joint Highway Research Project
File: 8-3-3
Project C-36-10C

Purdue University
Lafayette, Indiana

December 18, 1957

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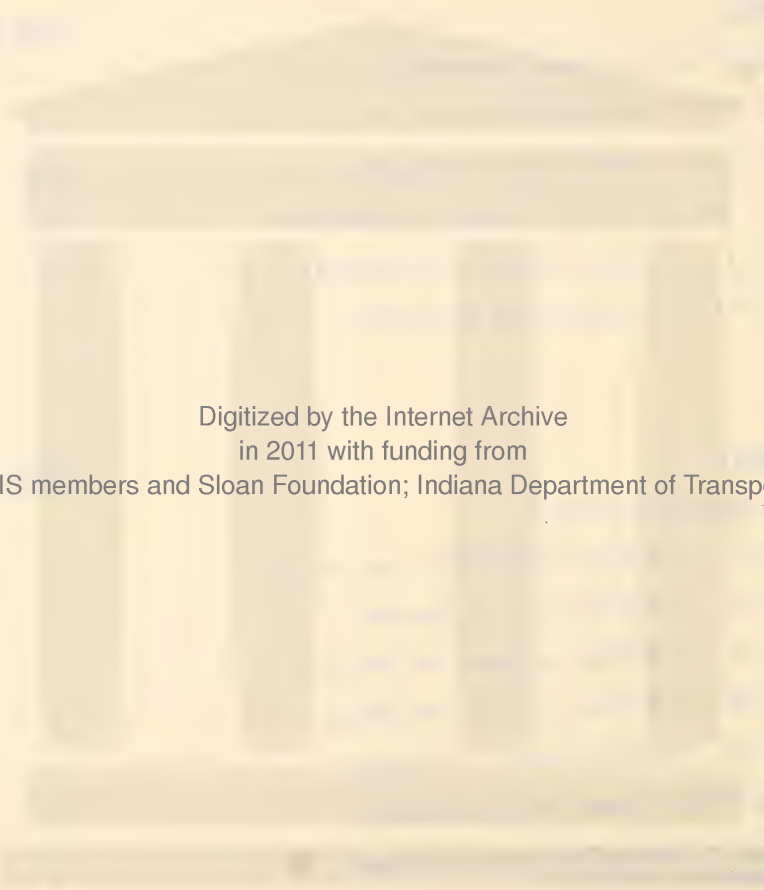
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TRAFFIC SPEED REPORT NO. 62

This report covers spot speed observations made during August 1957. These data were collected by Suwanto Hardjodipuro and the writer. All observations are for free-moving vehicles on level tangent sections of rural highways. The location of the observation stations are as follows:

1. U.S. 52 - 1.0 miles South of Jct. with
S.R. 28 (Dual Lanes)
2. U.S. 52 - 1.0 miles West of Klondike
(Dual Lanes)
3. U.S. 52 - 2.2 miles Northwest of
Templeton (2 lane)
4. U.S. 31 - 7.2 miles North of Perrysburg
(2 lane)
5. S.R. 25 - 1.0 miles South of Americus
(2 lane)

Previous reports have included observation taken on U.S. 41, 1.0 miles north of Boswell. At the time the observations were made for this report, a bridge was out on U.S. 41 in the vicinity of Boswell and traffic was being detoured over an alternate route. For this reason, no observations were made at this location.

The speed observations for this study were made with an Electromatic Radar Speed Meter. The meter was concealed as part of a rural mailbox and the observers concealed themselves as well as local

conditions permitted. It is believed that the observations were taken without influencing the speeds of the vehicles. Before using the meter it was checked for accuracy and calibrated in the speed range of 20 to 100 miles per hour.

A summary of the results of this study as well as the last seven studies is given in Table I. Indiana State law limits the speed of passenger cars and trucks weighing less than 5,000 pounds to 65 miles per hour, while trucks weighing more than 5,000 pounds are limited to 45 miles per hour. For this reason, the truck speeds are divided into three groups, light trucks, heavy trucks and all trucks. Since it is impractical to accurately determine the exact weight of each truck, panel and pickup types are classed as less than 5,000 pounds while dual-tired and semi-trailer types are classed as weighing over 5,000 pounds.

In order to facilitate a comparison between the present and the last previous observations at a given location, the results of the present and previous study are tabulated in Tables II through V. All speed observations were taken at the same locations for this study as for previous studies with the exception that the observations on U.S. 41 near Boswell were omitted.

The average speed for all passenger cars decreased by 1.4 miles per hour since the last study (May 1957) while the average speed for all trucks increased by 0.8 miles per hour. Indiana passenger cars decreased their average speed on two-lane highways by 0.1 miles per hour while their average speed on four-lane highways decreased by 2.4 miles per hour. A decrease of 2.4 miles per hour on two-lane highways

and 3.7 miles per hour on four-lane highways was noted in the average speed of out-of-state passenger cars.

The average speed for light trucks increased 1.5 miles per hour on two-lane highways and 0.2 miles per hour on four-lane highways. For heavy trucks, and increase in average speed of 1.0 miles per hour on two-lane highways and 0.6 miles per hour on four-lanes highways was observed.

When compared with results of a previous survey made a year earlier in August 1957, a slight increase in average speed was indicated. The average speed for all passenger cars on all highways increased by 0.5 miles per hour while the same average for all trucks increased by 0.8 miles per hour during the one year period.

Trend information on the average speed of passenger cars and trucks is shown in Table I and in Figures 6 and 7.

TABLE I

SUMMARY OF SPOT SPEED OBSERVATIONS
ON INDIANA HIGHWAYS

(Free-Moving Vehicles on Level, Tangent Sections)

		Passenger Cars				Trucks		
		Ind Mean	Non-Ind Mean	All Mean	All 85 per	Light Mean	Heavy Mean	All Mean
Two-lane highways	Apr. '54	53.6	56.5	54.8	63.6	44.8	42.9	43.7
	Aug. '54	55.0	56.8	55.7	63.8	49.9	46.0	47.1
	Dec. '54	52.0	54.1	52.8	58.8	48.2	44.4	45.2
	July '55	53.8	55.7	54.5	64.8	46.2	45.5	45.6
	Feb. '56	54.9	58.0	55.9	63.2	47.1	43.2	44.4
	Aug. '56	55.0	56.3	55.5	63.4	50.6	45.5	46.6
	May '57	55.6	59.1	56.9	64.0	50.2	44.8	46.1
	Aug. '57	55.5	56.7	55.9	62.1	51.7	45.8	47.3
Four-lane highways	Apr. '54	56.4	58.8	57.3	66.0	43.7	41.7	42.2
	Aug. '54	55.5	58.2	56.6	65.0	52.1	45.6	47.1
	Dec. '54	54.2	55.7	54.7	60.4	47.1	43.6	44.3
	July '55	54.5	56.6	55.2	63.7	47.5	43.9	44.8
	Feb. '56	58.1	60.1	58.7	65.7	47.8	45.2	45.8
	Aug. '56	57.4	58.8	58.2	66.8	49.6	46.0	47.4
	May '57	59.9	63.6	61.0	69.0	52.2	46.0	47.9
	Aug. '57	57.5	59.9	58.5	64.8	52.0	46.6	47.6
All highways	Apr. '54	54.6	57.3	55.6	64.4	44.5	42.5	43.3
	Aug. '54	55.1	57.3	56.0	64.2	50.5	45.9	47.1
	Dec. '54	52.7	54.3	53.4	59.3	47.8	44.0	44.8
	July '55	54.1	56.6	55.2	64.3	46.9	44.7	45.2
	Feb. '56	56.0	58.6	56.8	63.8	47.3	44.0	44.9
	Aug. '56	55.7	57.3	56.4	64.5	50.2	45.6	46.9
	May '57	57.2	60.3	58.3	66.0	50.9	45.2	46.6
	Aug. '57	56.2	58.3	56.9	63.2	51.8	46.1	47.4

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Author		Title		Date		Volume	
A. B. C.		1234		1950		100	
D. E. F.		5678		1951		200	
G. H. I.		9012		1952		300	
J. K. L.		3456		1953		400	
M. N. O.		7890		1954		500	
P. Q. R.		1234		1955		600	
S. T. U.		5678		1956		700	
V. W. X.		9012		1957		800	
Y. Z. A.		3456		1958		900	
B. C. D.		7890		1959		1000	
E. F. G.		1234		1960		1100	
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T. U. V.		1234		1965		1600	
W. X. Y.		5678		1966		1700	
Z. A. B.		9012		1967		1800	
C. D. E.		3456		1968		1900	
F. G. H.		7890		1969		2000	
I. J. K.		1234		1970		2100	
L. M. N.		5678		1971		2200	
O. P. Q.		9012		1972		2300	
R. S. T.		3456		1973		2400	
U. V. W.		7890		1974		2500	
X. Y. Z.		1234		1975		2600	
A. B. C.		5678		1976		2700	
D. E. F.		9012		1977		2800	
G. H. I.		3456		1978		2900	
J. K. L.		7890		1979		3000	
M. N. O.		1234		1980		3100	
P. Q. R.		5678		1981		3200	
S. T. U.		9012		1982		3300	
V. W. X.		3456		1983		3400	
Y. Z. A.		7890		1984		3500	
B. C. D.		1234		1985		3600	
E. F. G.		5678		1986		3700	
H. I. J.		9012		1987		3800	
K. L. M.		3456		1988		3900	
N. O. P.		7890		1989		4000	
Q. R. S.		1234		1990		4100	
T. U. V.		5678		1991		4200	
W. X. Y.		9012		1992		4300	
Z. A. B.		3456		1993		4400	
C. D. E.		7890		1994		4500	
F. G. H.		1234		1995		4600	
I. J. K.		5678		1996		4700	
L. M. N.		9012		1997		4800	
O. P. Q.		3456		1998		4900	
R. S. T.		7890		1999		5000	
U. V. W.		1234		2000		5100	
X. Y. Z.		5678		2001		5200	
A. B. C.		9012		2002		5300	
D. E. F.		3456		2003		5400	
G. H. I.		7890		2004		5500	
J. K. L.		1234		2005		5600	
M. N. O.		5678		2006		5700	
P. Q. R.		9012		2007		5800	
S. T. U.		3456		2008		5900	
V. W. X.		7890		2009		6000	
Y. Z. A.		1234		2010		6100	
B. C. D.		5678		2011		6200	
E. F. G.		9012		2012		6300	
H. I. J.		3456		2013		6400	
K. L. M.		7890		2014		6500	
N. O. P.		1234		2015		6600	
Q. R. S.		5678		2016		6700	
T. U. V.		9012		2017		6800	
W. X. Y.		3456		2018		6900	
Z. A. B.		7890		2019		7000	
C. D. E.		1234		2020		7100	
F. G. H.		5678		2021		7200	
I. J. K.		9012		2022		7300	
L. M. N.		3456		2023		7400	
O. P. Q.		7890		2024		7500	
R. S. T.		1234		2025		7600	
U. V. W.		5678		2026		7700	
X. Y. Z.		9012		2027		7800	
A. B. C.		3456		2028		7900	
D. E. F.		7890		2029		8000	
G. H. I.		1234		2030		8100	
J. K. L.		5678		2031		8200	
M. N. O.		9012		2032		8300	
P. Q. R.		3456		2033		8400	
S. T. U.		7890		2034		8500	
V. W. X.		1234		2035		8600	
Y. Z. A.		5678		2036		8700	
B. C. D.		9012		2037		8800	
E. F. G.		3456		2038		8900	
H. I. J.		7890		2039		9000	
K. L. M.		1234		2040		9100	
N. O. P.		5678		2041		9200	
Q. R. S.		9012		2042		9300	
T. U. V.		3456		2043		9400	
W. X. Y.		7890		2044		9500	
Z. A. B.		1234		2045		9600	
C. D. E.		5678		2046		9700	
F. G. H.		9012		2047		9800	
I. J. K.		3456		2048		9900	
L. M. N.		7890		2049		10000	

TABLE

II

SPOTS DATA

Station U. S. 52 1.0 Miles South of South Jct. S.R. 28

Surface 24th N.B. - P.C.C. S.B. - Bit. Conc. (Divided Lanes) Weather Clear - Warm
 This Observation Date Aug. 23, 1957 Last Previous Observation (Spot Report No. 61)
 Time 8:50 A.M. - 11:45 A.M. Time Feb. 19, 1957
 P.M. 2:00 - 5:00 P.M.

PASSENGER CARS				TRUCKS				BUSES	
OBSERVATION	All		Indiana	Non-Indiana	All		Less than 5000 pounds or more	BUSES	
	Last	Present	Last	Present	Last	Present		Last	Present
No. of Vehicles Obs.	382	397	311	221	115	104	37	78	84
Ave. Speed (m.p.h.)	61.1	59.4	60.7	58.5	48.7	46.5	53.8	46.3	45.0
45 m.p.h.	—	97.2	—	96.4	68.7	60.6	83.8	61.5	51.2
50 m.p.h.	94.0	93.2	93.6	91.9	40.0	27.9	70.3	25.6	17.9
55 m.p.h.	84.3	79.8	83.0	74.2	20.9	12.5	48.6	40.0	7.7
60 m.p.h.	65.4	54.7	62.7	49.8	7.8	2.9	24.3	15.0	0
65 m.p.h.	32.7	19.9	29.6	19.5	5.2	1.9	16.2	10.0	0
70 m.p.h.	10.5	6.0	9.7	4.1	3.5	1.0	10.8	5.0	0
75 m.p.h.	2.6	1.3	2.6	1.4	0	0	0	0	0
No. of Vehicles Obs.	191	195	158	109	57	55	15	10	42
Ave. Speed (m.p.h.)	60.8	59.8	60.3	59.4	46.8	47.5	48.9	96.1	45.2
Max. Speed (m.p.h.)	—	—	75	81	—	—	61	73	59
State or Type	—	—	—	—	—	—	2PCO	2PU	2S2PL
Min. Speed (m.p.h.)	—	—	40	46	—	—	26	38	36
State or Type	—	—	—	—	—	—	2P St	2PU	2D St
No. of Vehicles Obs.	191	202	153	112	58	49	22	10	36
Ave. Speed (m.p.h.)	61.5	59.0	61.0	57.7	50.5	45.3	57.1	47.2	46.5
Max. Speed (m.p.h.)	—	—	78	75	—	—	72	57	57
State or Type	—	—	—	—	—	—	2 SGP	2PU	2S2St
Min. Speed (m.p.h.)	—	—	30	27	—	—	40	30	30
State or Type	—	—	—	—	—	—	2P St	2 PU	2SOP

TABLE

III

SPEED DATA

Station U.S. 52 1.0 Miles West Of KlondikeSurface 24' Portland Cement Concrete (Divided Lanes)

This Observation

Weather Clear & WarmLast Previous Observation (Speed Report No. 61)Date August 22, 1957Date February 15 & 20, 1957Time 2:30 to 4:40 P.M.Time 2:30 to 4:30 P.M.

				PASSENGER CARS				TRUCKS				BUSES			
				All		Indiana		Non-Indiana		All		Less than 5000 pounds		5000 pounds or more	
				Last	Present	Last	Present	Last	Present	Last	Present	Last	Present	Last	Present
OBSERVATION															
No. of Vehicles Obs.				405	380	303	222	102	158	95	122	26	22	69	100
Ave. Speed (m.p.h.)				60.8	57.7	59.7	56.5	63.9	59.3	46.9	48.6	49.9	51.7	45.8	47.9
Max. Speed (m.p.h.)				—	97.1	—	95.0	—	100	68.4	80.3	76.9	95.5	65.2	77
Min. Speed (m.p.h.)				91.1	90.5	89.1	87.8	97.1	94.3	32.6	43.4	50.0	63.6	26.1	39
No. of Vehicles Obs.				79.5	70.8	76.6	64.9	88.2	79.1	9.5	13.3	26.9	27.3	2.9	10
Ave. Speed (m.p.h.)				62.5	42.1	56.8	33.8	79.4	53.8	7.4	3.3	26.9	13.6	0	1
Max. Speed (m.p.h.)				30.4	12.4	27.1	8.6	40.2	17.7	2.1	1.6	7.7	9.1	0	0
Min. Speed (m.p.h.)				14.3	4.2	11.6	3.6	22.5	5.1	1.1	0	3.8	0	0	0
No. of Vehicles Obs.				3.2	1.1	1.0	0.9	9.8	1.3	0	0	0	0	0	0
Ave. Speed (m.p.h.)				230	190	173	110	57	80	23	62	4	9	19	53
Max. Speed (m.p.h.)				61.5	57.1	60.7	55.9	63.8	58.7	44.0	47.7	50.75	51.6	42.6	47.0
Min. Speed (m.p.h.)				—	—	86	81	88	70	—	—	60	65	50	56
State or Type				—	—	—	—	OHIO	—	—	—	2 S	2 P.U.	2 SIAC	2S2
Min. Speed (m.p.h.)				—	—	30	35	47	46	—	—	45	45	26	36
State or Type				—	—	—	—	ILL.	—	—	—	2S	2 P.U.	2S2C0	2 D
No. of Vehicles Obs.				175	190	130	112	45	78	72	60	22	13	50	47
Ave. Speed (m.p.h.)				59.8	58.3	58.4	57.1	63.9	60.0	47.8	49.4	49.7	51.7	47.0	48.8
Max. Speed (m.p.h.)				—	—	74	73	79	77	—	—	70	65	56	61
Min. Speed (m.p.h.)				—	—	—	—	OHIO	—	—	—	2 POP	2 P	2 SIAC	2S2
State or Type				—	—	—	—	46	46	—	—	25	42	29	30
No. of Vehicles Obs.				—	—	23	40	OHIO	—	—	—	2 POP	2 P.U.	2 DST	2 D
Ave. Speed (m.p.h.)				—	—	—	—	—	—	—	—	—	—	—	—
Max. Speed (m.p.h.)				—	—	—	—	—	—	—	—	—	—	—	—
Min. Speed (m.p.h.)				—	—	—	—	—	—	—	—	—	—	—	—
State or Type				—	—	—	—	—	—	—	—	—	—	—	—

North

South



Station U.S. 52 2.0 Miles North of Templeton

Surface 22' Rock Asphalt

This Observation

Date August 29, 1957

Time 9:30 - 11:50 A.M.

Weather Clear, Warm

Last Precipitation Date

March 1 and 26, 1957

Time 2:30 - 4:30 P.M.

OBSERVATION	All				Indiana				Non-Indiana				All				Products				Blends			
	Last Present				Last Present				Last Present				Last Present				Last Present				Last Present			
	No. of Vehicles Obs.	Ave. Speed (m.p.h.)	Max. Speed (m.p.h.)	Min. Speed (m.p.h.)	No. of Vehicles Obs.	Ave. Speed (m.p.h.)	Max. Speed (m.p.h.)	Min. Speed (m.p.h.)	No. of Vehicles Obs.	Ave. Speed (m.p.h.)	Max. Speed (m.p.h.)	Min. Speed (m.p.h.)	No. of Vehicles Obs.	Ave. Speed (m.p.h.)	Max. Speed (m.p.h.)	Min. Speed (m.p.h.)	No. of Vehicles Obs.	Ave. Speed (m.p.h.)	Max. Speed (m.p.h.)	Min. Speed (m.p.h.)	No. of Vehicles Obs.	Ave. Speed (m.p.h.)	Max. Speed (m.p.h.)	Min. Speed (m.p.h.)
No. of Vehicles Obs.	385	369	218	176	167	193	115	133	10	16	105	117	0	0	0	0	10	16	105	117	0	0	0	0
Ave. Speed (m.p.h.)	60.5	55.6	59.7	55.5	61.6	55.8	46.5	46.9	55.9	50.9	45.6	46.4	—	—	—	—	55.9	50.9	45.6	46.4	—	—	—	—
Max. Speed (m.p.h.)	—	97.0	—	97.2	—	96.9	65.2	70.7	—	87.5	61.9	68.4	—	—	—	—	87.5	87.5	61.9	68.4	—	—	—	—
Min. Speed (m.p.h.)	94.3	88.6	92.2	88.6	97.0	88.6	30.4	38.3	100.0	87.5	23.8	31.6	—	—	—	—	100.0	87.5	23.8	31.6	—	—	—	—
No. of Vehicles Obs.	84.2	58.5	80.7	56.3	88.6	60.6	7.0	5.3	60.0	25.0	1.9	2.6	—	—	—	—	60.0	25.0	1.9	2.6	—	—	—	—
Ave. Speed (m.p.h.)	62.9	26.6	54.6	26.7	73.6	26.4	4.4	0	40.0	0	1.0	0	—	—	—	—	40.0	0	1.0	0	—	—	—	—
Max. Speed (m.p.h.)	23.4	6.0	20.2	6.3	27.5	5.7	0	0	0	0	0	0	—	—	—	—	0	0	0	0	—	—	—	—
Min. Speed (m.p.h.)	7.5	2.2	6.9	1.1	8.4	3.1	0	0	0	0	0	0	—	—	—	—	0	0	0	0	—	—	—	—
No. of Vehicles Obs.	212	223	124	117	88	106	48	79	5	13	43	66	—	—	—	—	5	13	43	66	—	—	—	—
Ave. Speed (m.p.h.)	60.3	55.9	59.7	55.6	61.1	56.2	45.7	46.3	57.4	52.7	44.3	45.1	—	—	—	—	57.4	52.7	44.3	45.1	—	—	—	—
Max. Speed (m.p.h.)	—	—	77	75	78	77	—	—	60	58	53	55	—	—	—	—	60	58	53	55	—	—	—	—
Min. Speed (m.p.h.)	—	—	40	40	44	44	—	—	2POP	2P	2510	232	—	—	—	—	2POP	2P	2510	232	—	—	—	—
No. of Vehicles Obs.	173	146	94	59	79	87	67	54	5	3	62	51	—	—	—	—	5	3	62	51	—	—	—	—
Ave. Speed (m.p.h.)	60.7	55.3	59.6	55.3	62.1	55.3	47.1	47.8	54.4	43.0	46.5	48.1	—	—	—	—	54.4	43.0	46.5	48.1	—	—	—	—
Max. Speed (m.p.h.)	—	—	80	70	82	74	—	—	61	51	60	57	—	—	—	—	61	51	60	57	—	—	—	—
Min. Speed (m.p.h.)	—	—	44	43	41	42	—	—	2POP	2P	200	251	—	—	—	—	2POP	2P	200	251	—	—	—	—
No. of Vehicles Obs.	—	—	—	—	—	—	—	—	50	36	30	36	—	—	—	—	50	36	30	36	—	—	—	—
Ave. Speed (m.p.h.)	—	—	—	—	—	—	—	—	2POP	2P	2520	232	—	—	—	—	2POP	2P	2520	232	—	—	—	—
Max. Speed (m.p.h.)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Min. Speed (m.p.h.)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

West

East

Station U.S. 31 7.2 Miles North of Perrysburg

Surface 22.5% Portland Cement Concrete, Resurfaced with Bituminous Material Weather Clear and Warm

This observation

Last previous observation (Speed Report No.)

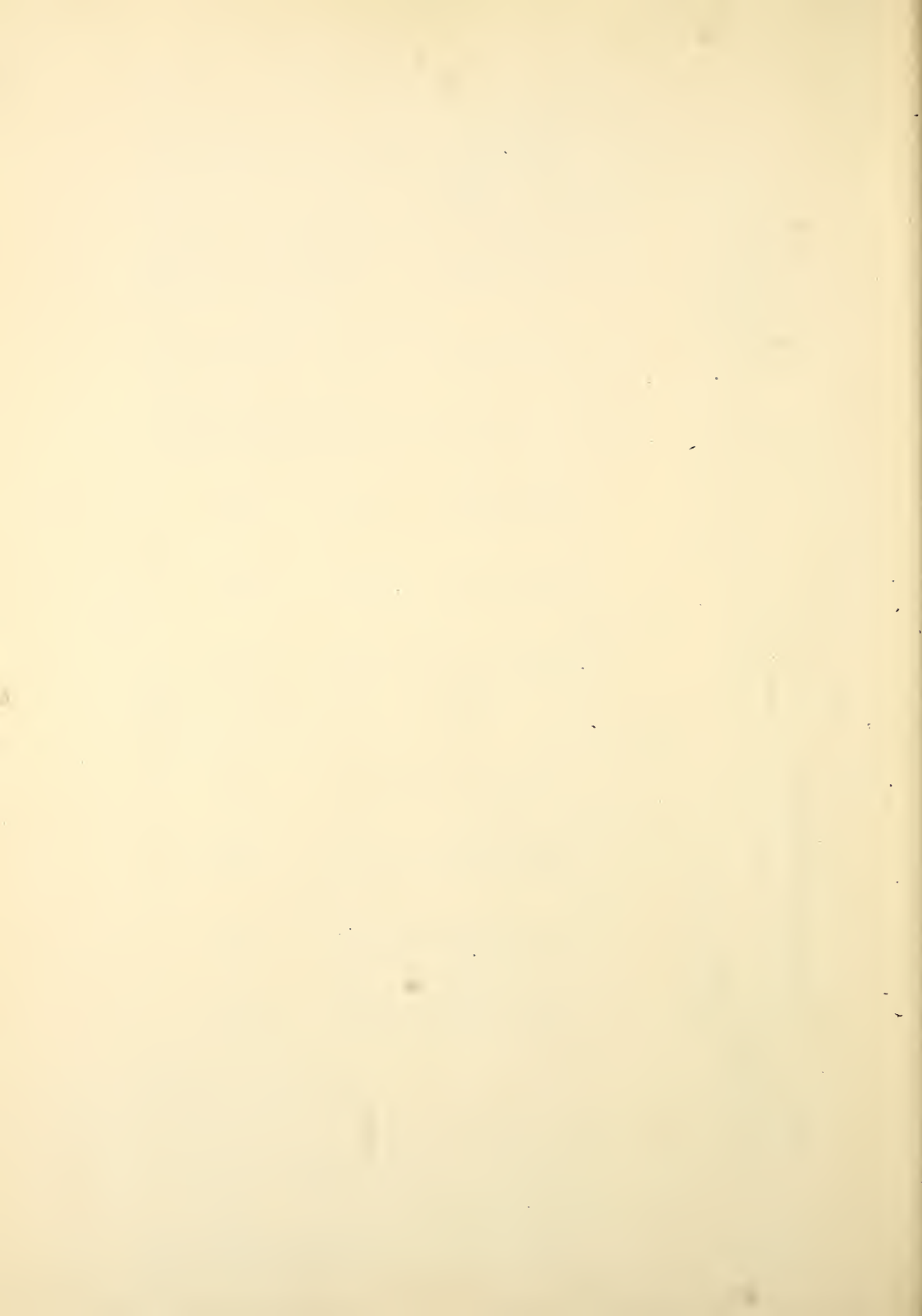
Date August 31, 1957

Date March 5 & 12, 1957

Time 9:40 - 11:50

Time

PASSENGER CARS										TRUCKS				BUSES							
All					Indiana					Non-Indiana				Less than 5000 pounds or more				5000 pounds or more			
OBSERVATION		Last	Present	Last	Present	Last	Present	Last	Present	All		Last	Present	Last	Present	Last	Present	Last	Present		
No. of Vehicles Obs.		383	437	309	342	74	95	110	63	37	26	73	37	6	33.2	0	0	0	0		
Ave. Speed (m.p.h.)		53.0	56.8	52.6	56.6	54.8	57.8	43.9	47.1	47.7	51.4	42.0	44.1	33.2	16.7	0	0	0	0		
Max. Speed (m.p.h.)		86.7	94.7	84.5	94.5	96.0	95.8	39.1	57.1	62.2	76.9	27.4	43.2	16.7	0	0	0	0	0		
Min. Speed (m.p.h.)		70.8	87.0	68.9	86.5	78.4	88.4	23.6	30.2	43.8	46.2	11.0	18.9	16.7	0	0	0	0	0		
State or Type		41.5	65.5	40.1	62.9	47.3	74.7	11.8	14.3	27.0	30.8	4.1	2.7	16.7	0	0	0	0	0		
No. of Vehicles Obs.		19.8	37.5	18.5	35.7	25.7	44.2	6.4	11.1	18.9	23.1	0	2.7	0	0	0	0	0	0		
Ave. Speed (m.p.h.)		7.6	14.4	7.1	14.3	9.5	14.7	1.8	6.3	5.4	15.4	0	0	0	0	0	0	0	0		
Max. Speed (m.p.h.)		2.6	4.4	2.6	4.4	2.7	4.2	0	1.6	0	3.8	0	0	0	0	0	0	0	0		
Min. Speed (m.p.h.)		1.0	0.5	0.6	0.3	2.7	1.1	0	0	0	0	0	0	0	0	0	0	0	0		
No. of Vehicles Obs.		200	196	160	163	40	33	60	36	21	14	39	22	43.8	0	0	0	0	0		
Ave. Speed (m.p.h.)		53.7	55.8	53.7	55.6	53.8	56.5	43.9	45.6	48.1	48.5	41.6	43.8	54	0	0	0	0	0		
Max. Speed (m.p.h.)		75	71	75	71	67	72	—	—	68	66	56	54	252	0	0	0	0	0		
State or Type		—	—	—	—	Mich.	—	—	—	2POP	2PO	2DDP	252	0	0	0	0	0	0		
Min. Speed (m.p.h.)		—	—	31	36	40	40	—	—	24	37	28	33	—	0	0	0	0	0		
State or Type		—	—	—	—	N.Y.	—	—	—	2POP	2PU	2DST	2D	—	0	0	0	0	0		
No. of Vehicles Obs.		183	241	149	179	34	62	50	27	16	12	34	15	44.5	0	0	0	0	0		
Ave. Speed (m.p.h.)		52.3	57.7	51.4	57.4	56.0	58.5	44.0	49.1	47.2	54.7	42.4	44.5	62	0	0	0	0	0		
Max. Speed (m.p.h.)		—	—	74	75	78	78	—	—	69	72	56	62	2DDP	2D	—	—	—	—		
Min. Speed (m.p.h.)		—	—	31	33	43	44	—	—	2PCO	2PU	2DDP	2D	—	0	0	0	0	0		
State or Type		—	—	—	—	Mich&Oh	—	—	—	21	42	34	34	2S2CO	2D	—	—	—	—		
No. of Vehicles Obs.		—	—	—	—	Ohio	—	—	—	2PST	2PU	2S2CO	2D	—	0	0	0	0	0		



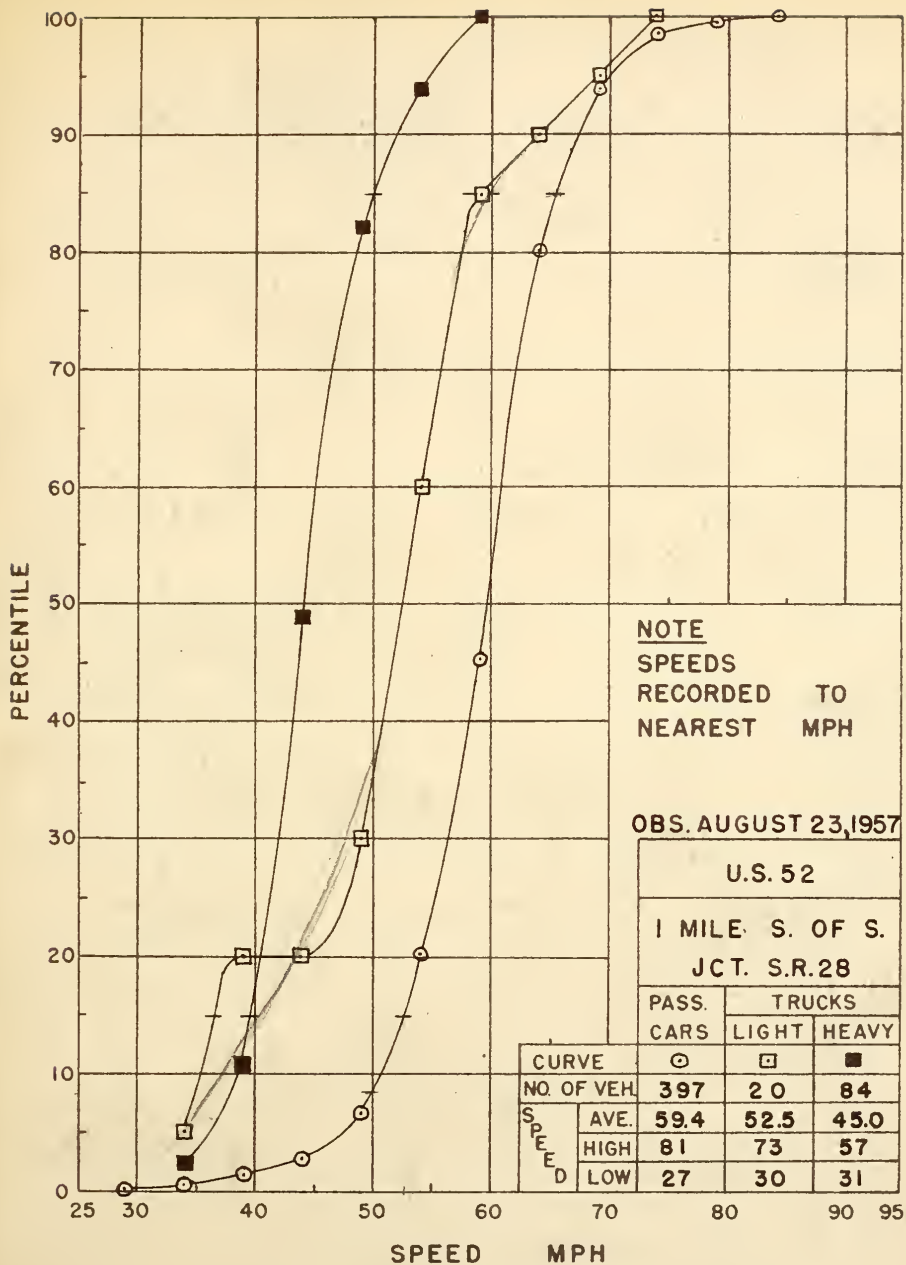


FIGURE 1



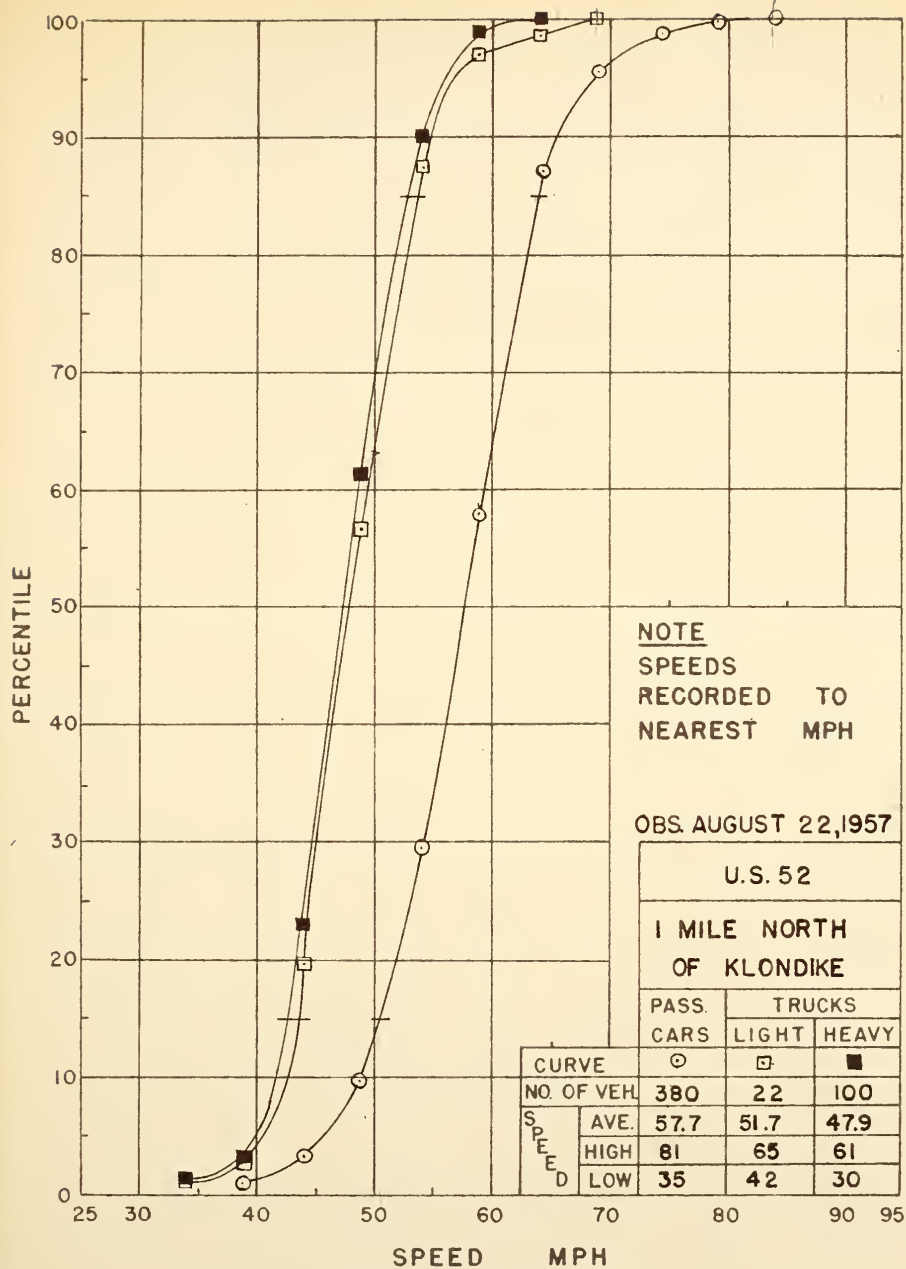
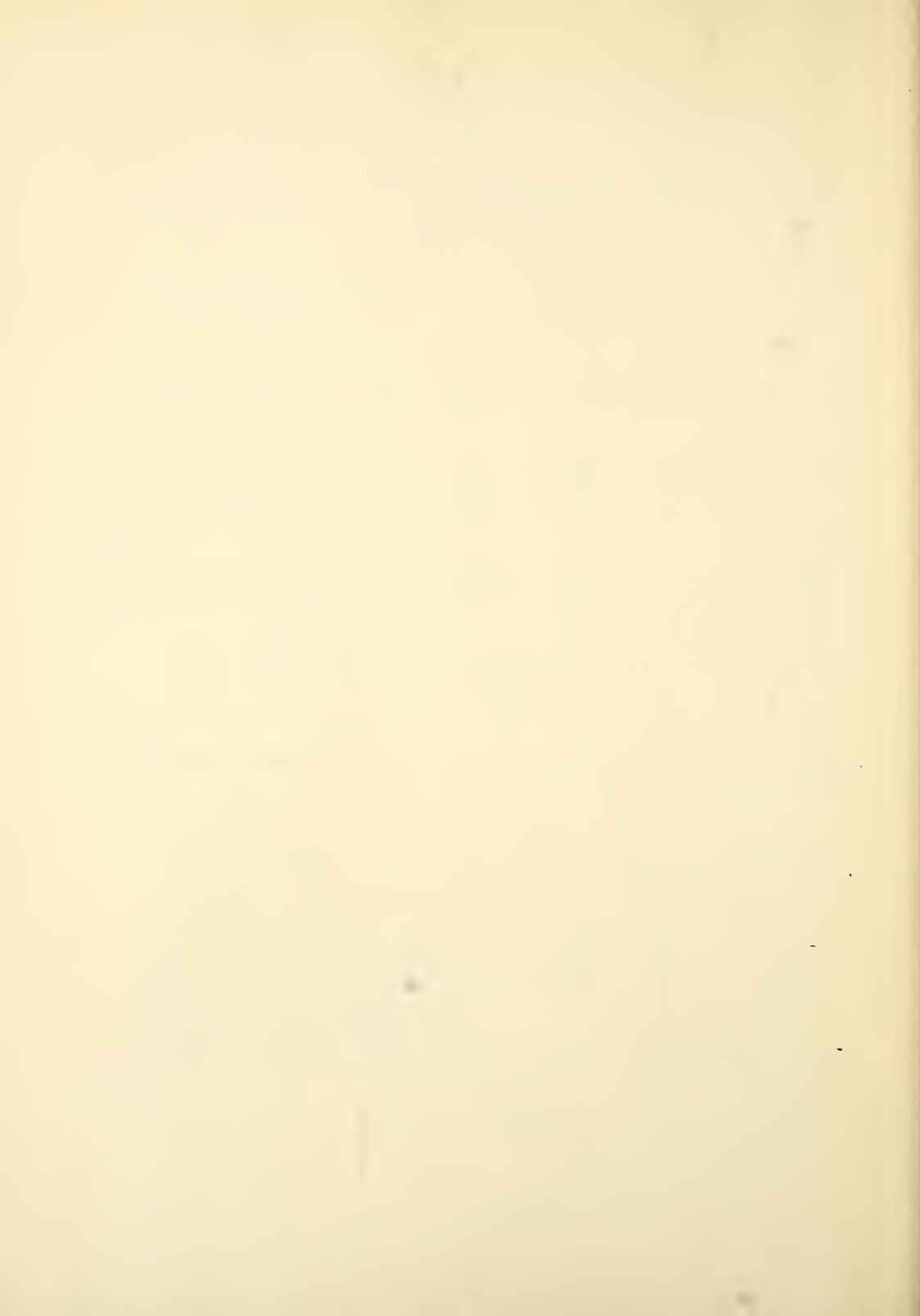


FIGURE 2



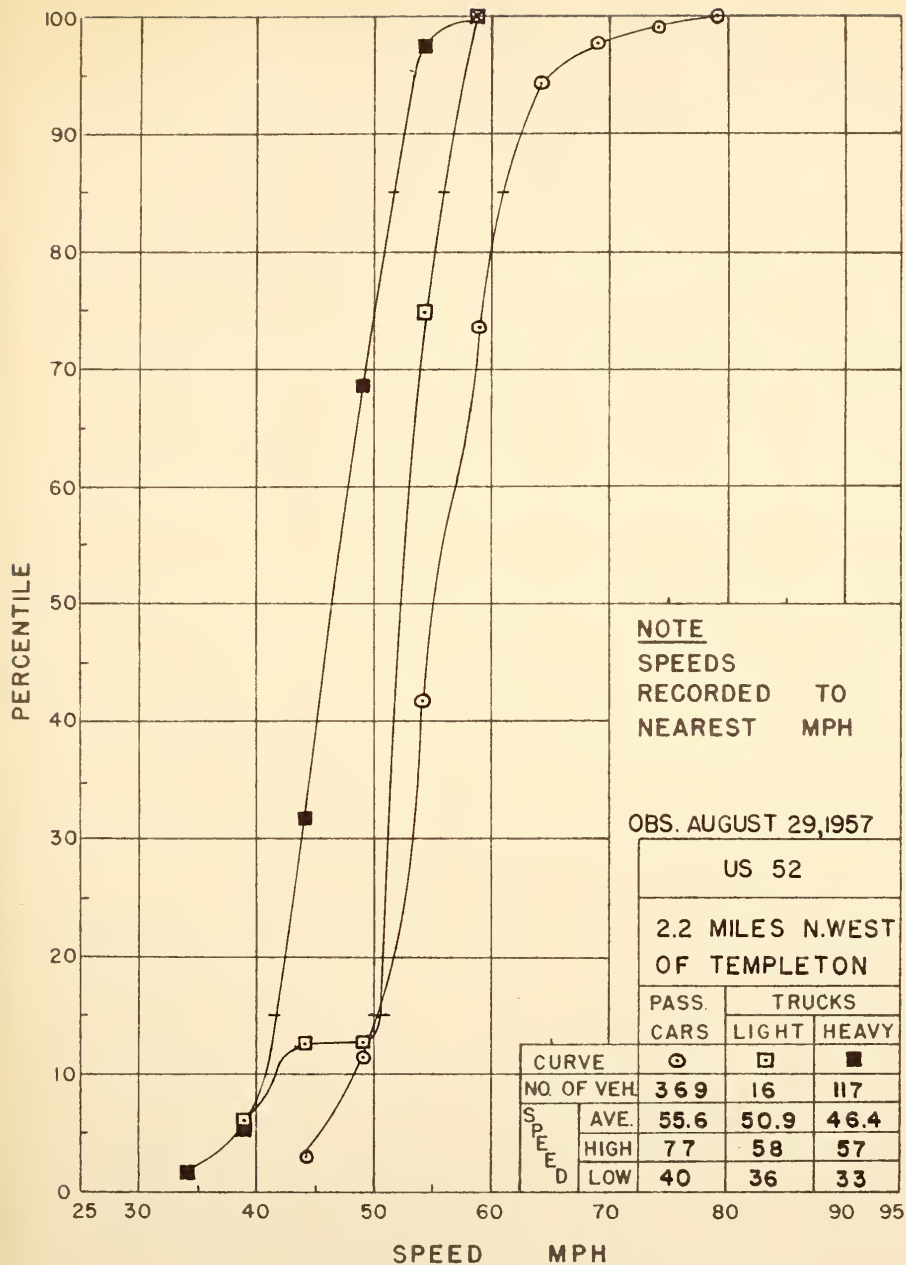


FIGURE 3



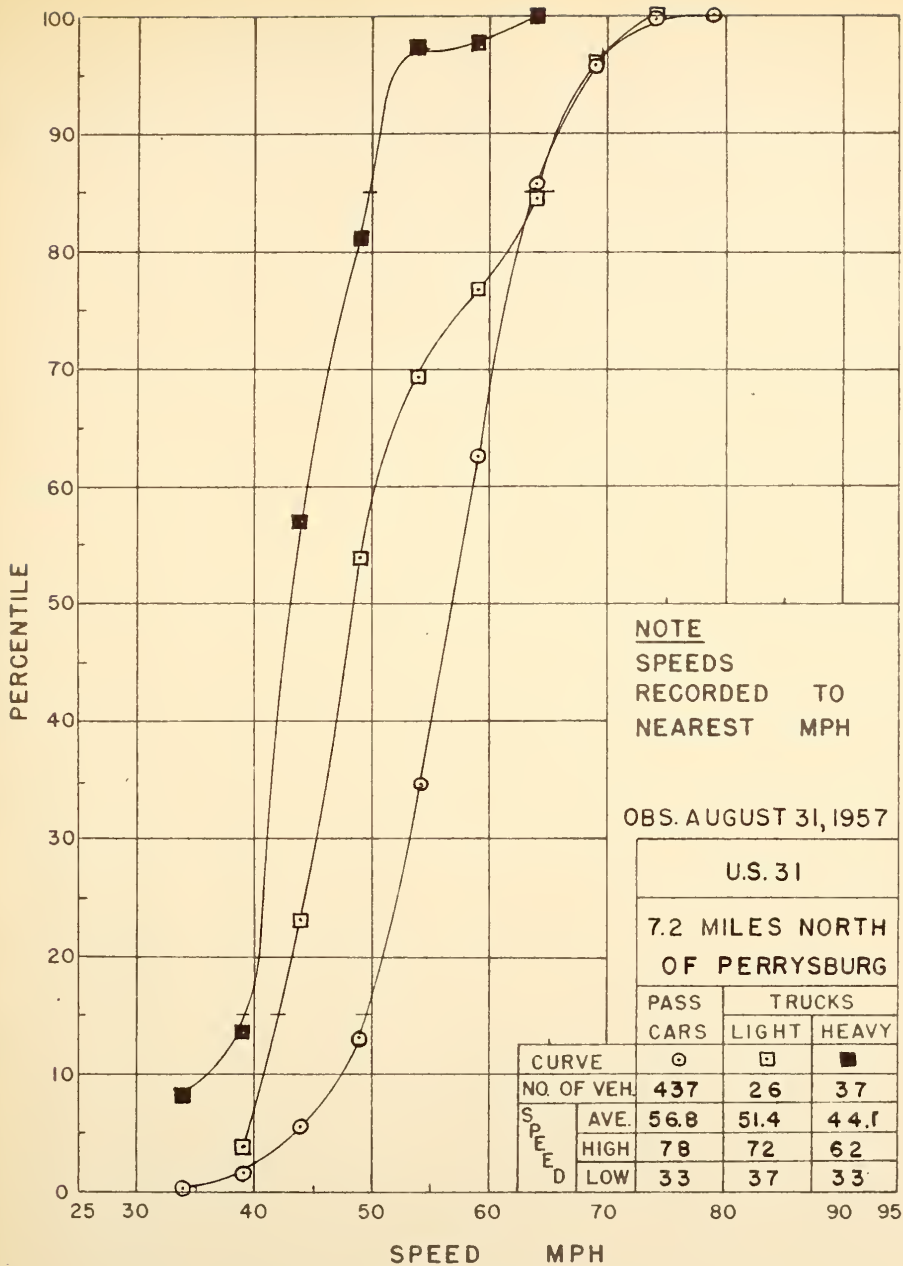


FIGURE 4

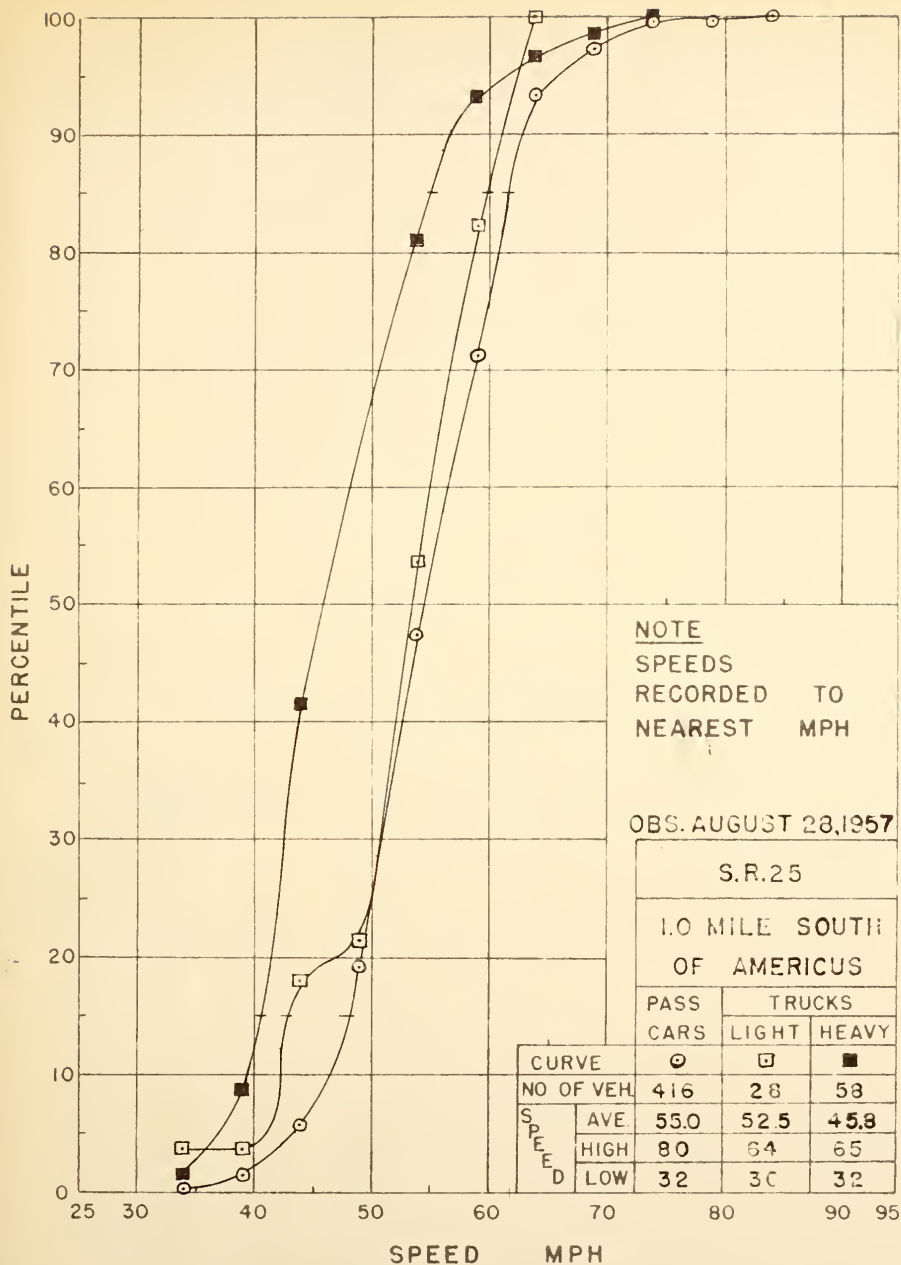


FIGURE 5



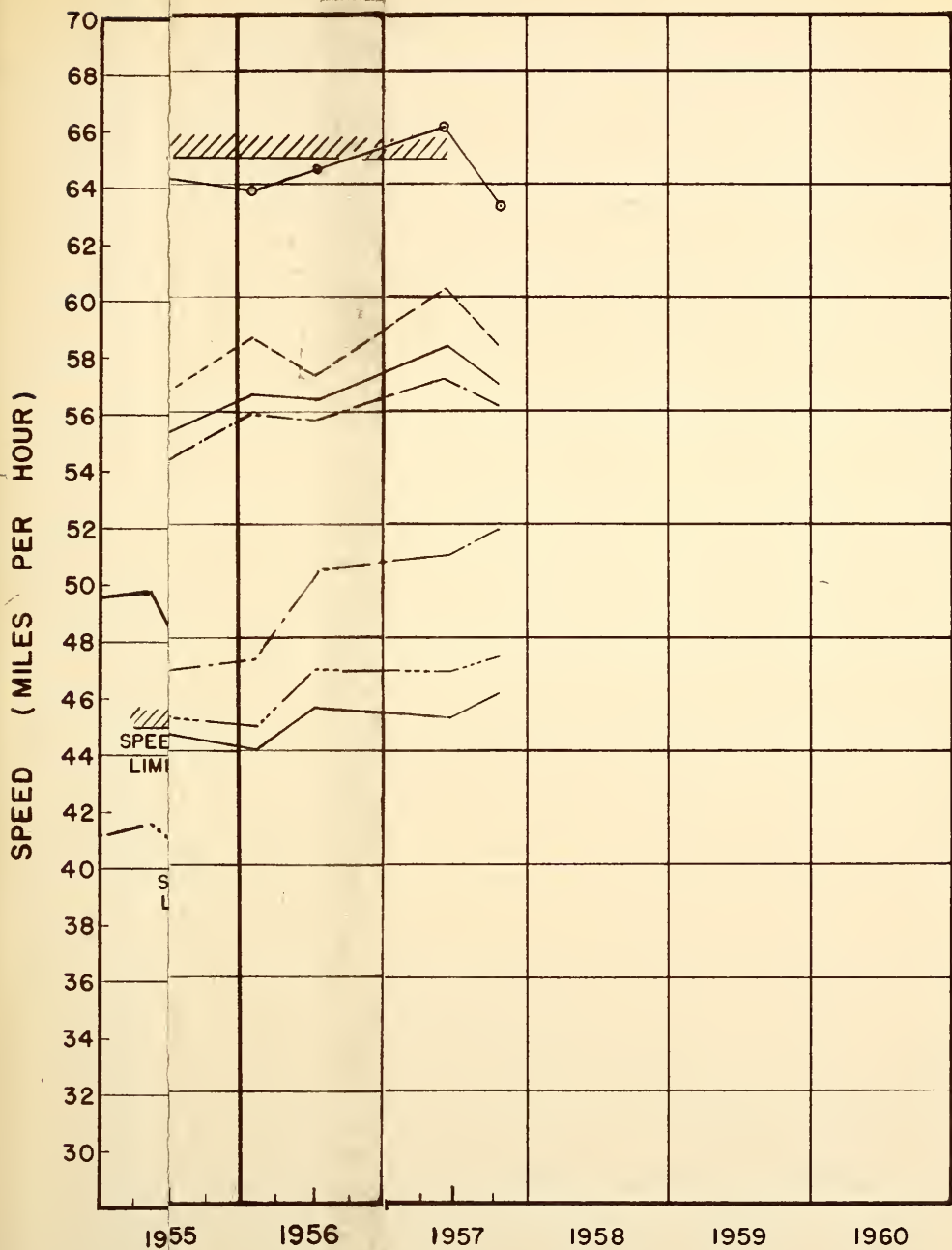


FIG. 6



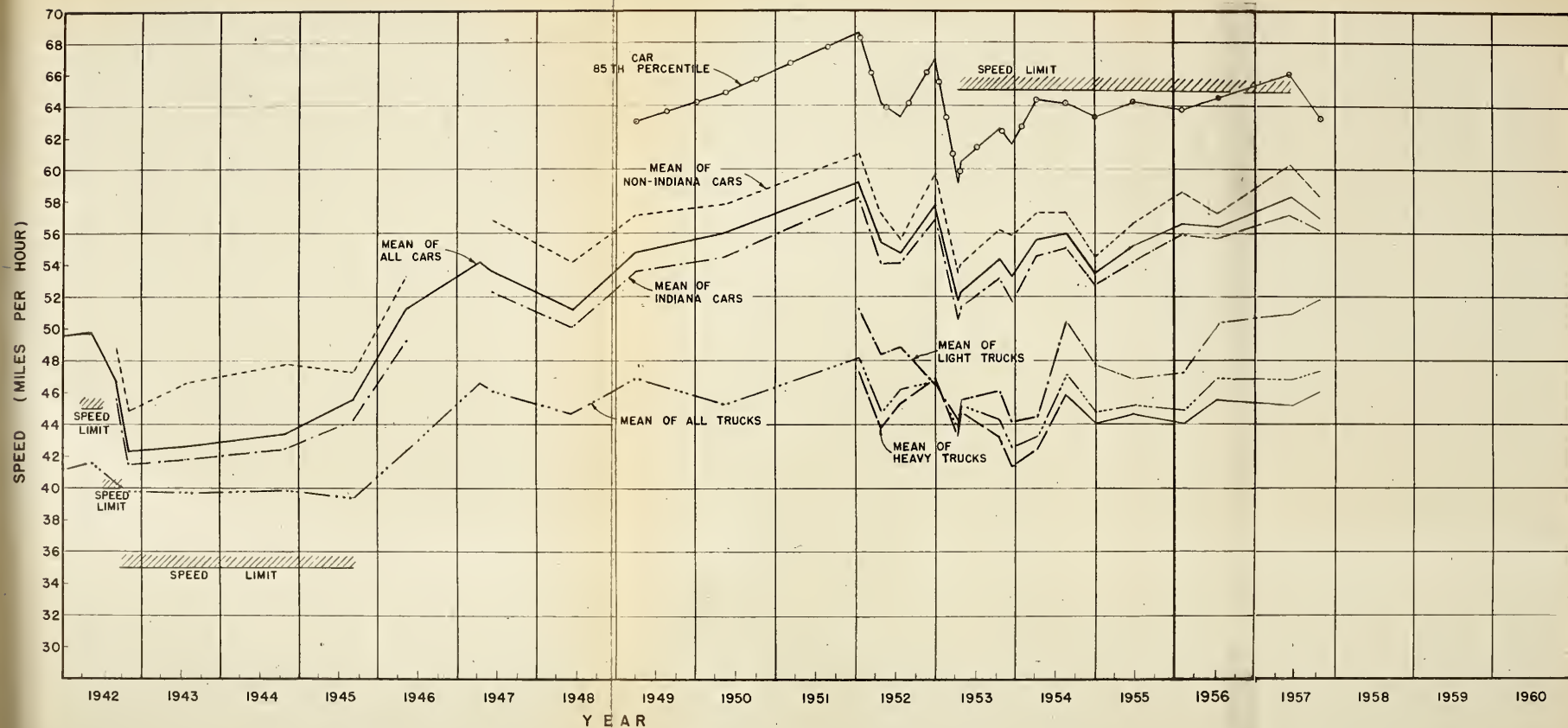


FIG. 6

INDIANA RURAL SPEED TRENDS 1942 - 1960

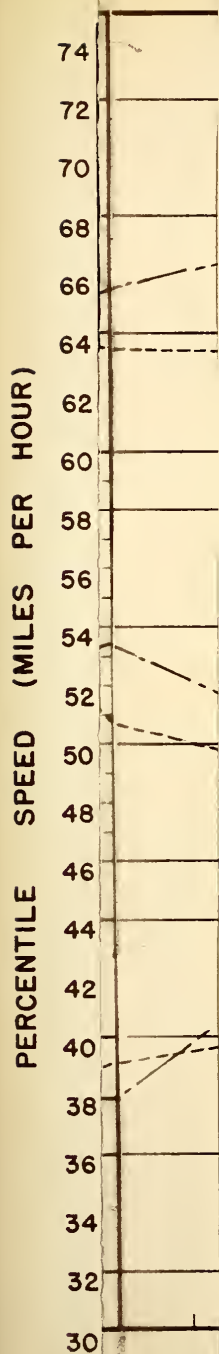


FIG. 7



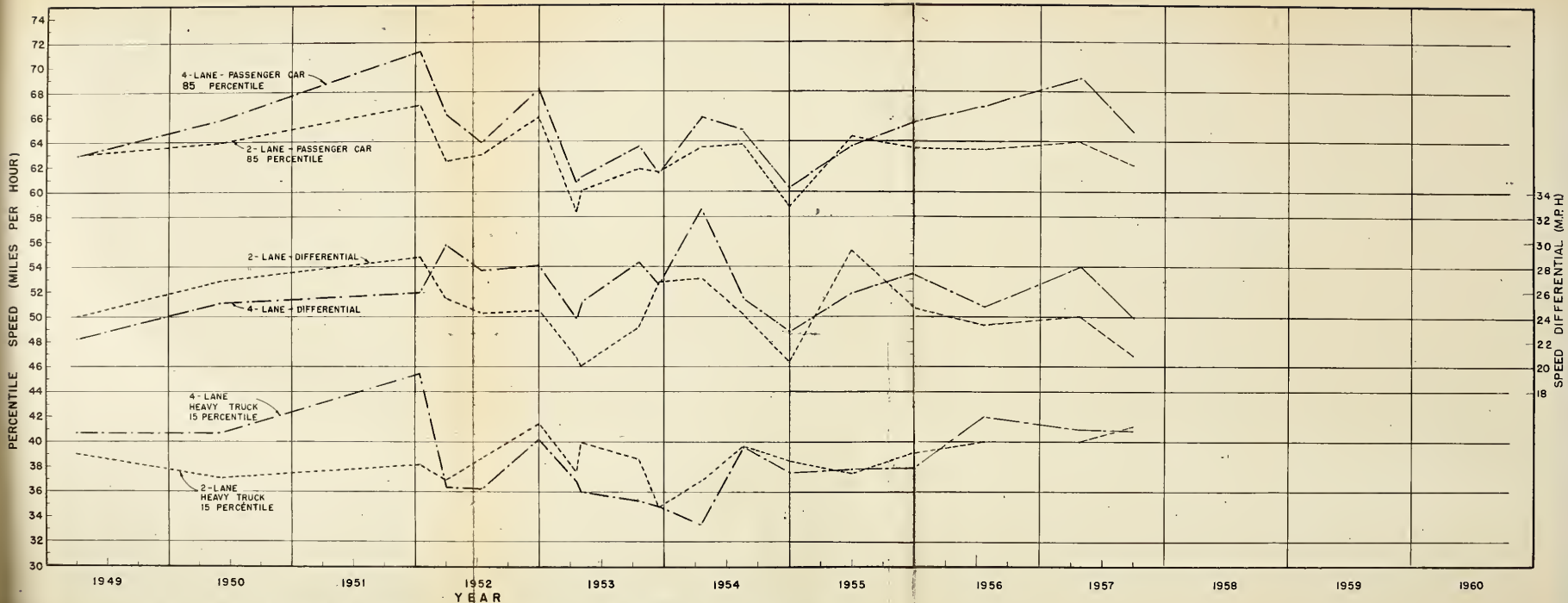


FIG. 7 TRENDS IN PERCENTILE SPEEDS AND SPEED DIFFERENTIAL 1949-1960





